

CERTIFICATE OF ANALYSIS

Product Description CARBENICILLIN, DISODIUM SALT
 α -CARBOXYBENZYL PENICILLIN, DISODIUM SALT
Product Number C346
Lot Number HHT0346115
Storage Temperature 2-8°C
Molecular Weight 422.36
Formula $C_{17}H_{16}N_2O_6SNa_2$
CAS Number 4800-94-6

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	5.5 – 7.0	6.7
Physical Appearance Color*	2018-70 to 2027-70, 2143-70 to 2155-70, PM-1 to PM-4	2143-70 White
Texture	Fine Powder	Fine Powder
Solution Appearance Clarity	Clear	Clear
Color	Colorless	Colorless
Insolubles	None	Passes
FTIR	Conform to Structure	Passes
Purity	Minimum 92.0%	97.70%
Potency	For Information Only	870 μ g/mg


* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

This material is derived from microbial fermentation and is highly purified and considered semi-synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Date of Release: 04-April-2025

Recommended Shelf-Life Date: October 2027

Prepared by: 
Alex Lambert
Lead Quality Control Laboratory Technician